**EAST Search History**

**EAST Search History (Prior Art)**

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--------------|-----|------------------|---------|------------|
| L1 | 4 | (("6725080") or ("5938645")).PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/12/10 14:51 |
| S1 | 2 | "US 20070135713" | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2009/01/27 15:23 |
| S2 | 545 | 600/434.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/27 16:05 |
| S3 | 489 | S2 and @ad<"20050210" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/27 16:06 |
| S4 | 49 | S3 and localiz$5 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/27 16:22 |
| S5 | 1230 | catheter and guidewire and (position with orientation) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/27 16:34 |
| S6 | 705 | S5 and @ad<"20050210" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/27 16:34 |
| S7 | 140 | catheter same guidewire same (position with orientation) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/27 16:35 |

| S8 | 89 | S7 and @ad< "20050210" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/27 16:35 |
|----|----|------------------------|--------|----|----|----------|
| S9 | 2 | ("5375596").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/01/27 16:36 |
| S10 | 27 | S3 and (position with orientation) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/27 16:37 |
| S11 | 14 | catheter with guid$5 with ((magnetic adj field) with sensor) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/28 13:54 |
| S12 | 2 | ("5375596").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/01/29 15:51 |
| S13 | 75 | ("5375596").URPN. | USPAT | OR | ON | 2009/01/29 15:52 |
| S14 | 320 | image with guided with catheter | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/29 15:58 |
| S15 | 165 | S14 and @ad< "20050210" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/29 15:58 |
| S16 | 26 | image with guided with catheter with guidewire | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/29 16:04 |

| S17 | 5 | S16 and @ad< "20050210" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/29 16:04 |
| S18 | 80 | first and second localizer determine position | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | SAME | ON | 2009/08/10 18:16 |
| S19 | 33 | S18 and @ad< "20050210" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/10 18:16 |
| S20 | 3 | S19 and catheter | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/10 18:16 |
| S21 | 6 | (first and second localizer determine position).clm. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | SAME | ON | 2009/08/10 18:17 |
| S22 | 555 | 600/434.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/10 18:20 |
| S23 | 495 | S22 and @ad< "20050210" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/10 18:20 |
| S24 | 0 | S18 and S23 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | SAME | ON | 2009/08/10 18:20 |
| S25 | 0 | catheter guidewire first second localizer | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | SAME | ON | 2009/12/09 13:12 |

| S26 | 14 | catheter first second localizer | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | SAME | ON | 2009/12/09 13:12 |
| S27 | 2 | catheter first second localizer | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2009/12/09 13:12 |
| S28 | 308 | catheter first second marker | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2009/12/09 13:14 |
| S29 | 46 | catheter first second sensor position and orientation | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2009/12/09 13:14 |
| S30 | 13 | S29 and @ad< "20050210" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2009/12/09 13:15 |
| S31 | 0 | (catheter first second sensor position and orientation) and (guidewire first second sensor position and orientation) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2009/12/09 13:17 |
| S32 | 2 | catheter guidwire tracking | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2009/12/09 13:18 |
| S33 | 5 | (catheter first second sensor position and orientation) and (guidewire first second sensor position and orientation) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | SAME | ON | 2009/12/09 13:20 |
| S34 | 2343 | (catheter position and orientation) and (guidewire position and orientation) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | SAME | ON | 2009/12/09 13:21 |

| S35 | 23 | (catheter position orientation) and (guidewire position orientation) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2009/12/09 13:21 |
| S36 | 10 | S35 and @ad< "20050210" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2009/12/09 13:21 |
| S37 | 94 | ("4573966" \| "4646736" \| "4729763" \| "4894051" \| "4950257" \| "5034005" \| "5084013" \| "5234403" \| "5346569" \| "5370609" \| "5370653" \| "5395332" \| "5419774" \| "5451233" \| "5476450" \| "5527292").PN. OR ("5938645").URPN. | US-PGPUB; USPAT; USOCR | SAME | ON | 2009/12/09 14:06 |
| S38 | 0 | S37 and electromagentic sensor | US-PGPUB; USPAT; USOCR | SAME | ON | 2009/12/09 14:08 |
| S39 | 1 | (catheter position orientation) and (guidewire position orientation) and electromagnetic sensor | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2009/12/09 14:08 |
| S40 | 0 | catheter guidwire spatial electromagentic sensor | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2009/12/09 14:10 |
| S41 | 0 | catheter guidewire spatial electromagentic sensor | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2009/12/09 14:10 |
| S42 | 0 | catheter guidewire spatial electromagentic sensor | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | SAME | ON | 2009/12/09 14:10 |
| S43 | 1 | catheter guidewire spatial electromagnetic sensor | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | SAME | ON | 2009/12/09 14:10 |

| S44 | 7 | catheter guidewire position electromagnetic sensor | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | SAME | ON | 2009/12/09 14:11 |
|---|---|---|---|---|---|---|
| S45 | 7 | (catheter position electromagnetic sensor) same (guidewire position electromagnetic sensor) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | SAME | ON | 2009/12/09 14:18 |
| S46 | 90 | ("5375596").URPN. | USPAT | SAME | ON | 2009/12/10 08:34 |
| S47 | 17 | S46 and @ad<"20050210" and (catheter and guidewire) and (spatial or position or orientation or track$3) | USPAT | SAME | ON | 2009/12/10 08:52 |
| S48 | 14 | S46 and @ad<"20050210" and (catheter same guidewire) and (spatial or position or orientation or track$3) | USPAT | SAME | ON | 2009/12/10 08:52 |
| S49 | 2582 | @ad<"20050210" and ((catheter with guidewire) same (spatial or position or orientation or track$3)) | USPAT | SAME | ON | 2009/12/10 09:01 |
| S50 | 10 | S46 and S49 | USPAT | SAME | ON | 2009/12/10 09:02 |
| S51 | 371 | @ad<"20050210" and ((catheter near guidewire) with (spatial or position or orientation or track$3)) | USPAT | SAME | ON | 2009/12/10 09:03 |
| S52 | 43 | S51 and (localizer or sensor or antenna) | USPAT | SAME | ON | 2009/12/10 09:04 |
| S53 | 0 | (simultaneous$3 (spatial or position or orientation or track$3)) with (catheter and guidewire) and @ad<"20050210" | USPAT | NEAR | ON | 2009/12/10 09:09 |
| S54 | 0 | (simultaneous$3 (spatial or position or orientation or track$3)) same (catheter with guidewire) and @ad<"20050210" | USPAT | NEAR | ON | 2009/12/10 09:09 |
| S55 | 371 | (spatial or position or orientation or track$3) with (catheter near guidewire) and @ad<"20050210" | USPAT | NEAR | ON | 2009/12/10 09:10 |
| S56 | 43 | S55 and (localizer or sensor or antenna) | USPAT | SAME | ON | 2009/12/10 09:11 |

| S57 | 0 | (simultaneous$3 near track $3) same (catheter with guidewire) and @ad<"20050210" | USPAT | NEAR | ON | 2009/12/10 09:14 |
| S58 | 0 | simultaneously tracking position catheter guidewire | USPAT | NEAR | ON | 2009/12/10 09:18 |
| S59 | 24 | track$3 multiple sensor | USPAT | NEAR | ON | 2009/12/10 09:50 |
| S60 | 21 | @ad<"20050210" and S59 | USPAT | SAME | ON | 2009/12/10 09:50 |
| S61 | 71 | track$3 multiple device | USPAT | NEAR | ON | 2009/12/10 09:51 |
| S62 | 0 | track$3 multiple device sensor | USPAT | NEAR | ON | 2009/12/10 09:51 |
| S63 | 78 | track$3 multiple (device with sensor) | USPAT | WITH | ON | 2009/12/10 09:52 |
| S64 | 54 | @ad<"20050210" and S63 | USPAT | SAME | ON | 2009/12/10 09:52 |
| S65 | 0 | (image$guided$surgery) and track$3 multiple (device near sensor) | USPAT | SAME | ON | 2009/12/10 09:53 |
| S66 | 0 | image$guided$surgery track$3 multiple device simultaneously | USPAT | SAME | ON | 2009/12/10 09:54 |
| S67 | 0 | (image near guided near surgery) track$3 multiple device simultaneously | USPAT | SAME | ON | 2009/12/10 09:54 |
| S68 | 0 | (image near guided near surgery) locat$3 multiple device simultaneously | USPAT | SAME | ON | 2009/12/10 09:54 |
| S69 | 0 | (image near guided near surgery) sens$3 multiple device | USPAT | SAME | ON | 2009/12/10 09:55 |
| S70 | 0 | sensing multiple device and (image near guide near surgery) | USPAT | SAME | ON | 2009/12/10 09:56 |
| S71 | 0 | electromagnetically locating multiple device and (image near guide near surgery) | USPAT | SAME | ON | 2009/12/10 09:57 |
| S72 | 477 | 600/424.ccls. | USPAT | SAME | ON | 2009/12/10 09:58 |
| S73 | 4 | S72 and IGS | USPAT | SAME | ON | 2009/12/10 09:59 |
| S74 | 81 | S72 and locating device | USPAT | SAME | ON | 2009/12/10 10:00 |
| S75 | 76 | @ad<"20050210" and S74 | USPAT | SAME | ON | 2009/12/10 10:00 |
| S76 | 7 | S72 and (device multiple sensor) | USPAT | WITH | ON | 2009/12/10 10:01 |

| S77 | 63 | S72 and (device multiple) | USPAT | WITH | ON | 2009/12/10 10:02 |
| S78 | 55 | @ad<"20050210" and S77 | USPAT | SAME | ON | 2009/12/10 10:02 |
| S79 | 2833 | catheter guidewire (intravascul$5 or vascul$5) | USPAT | SAME | ON | 2009/12/10 10:08 |
| S80 | 58 | catheter guidewire (intravascul$5 or vascul$5) | USPAT | NEAR | ON | 2009/12/10 10:08 |
| S81 | 1073886 | @ad<"20050210" and "58" | USPAT | SAME | ON | 2009/12/10 10:08 |
| S82 | 1073886 | @ad<"20050210" and S81 | USPAT | SAME | ON | 2009/12/10 10:08 |
| S83 | 55 | @ad<"20050210" and S80 | USPAT | SAME | ON | 2009/12/10 10:09 |

**12/10/2009 2:53:16 PM**
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